ST 100: Introduction to Surgery

Term I, 3 credits, CRN 43474

Instructor: Rachel Bruce

Email: brucer@linnbenton.edu

Office phone: 541-918-8844

Google App: 541-832-4408, directly links to my personal cell phone

Instructor Communication: Student drop-in hours: Tuesdays 10-3 or Wednesdays 3:30-4:30. Please email me to set up a time if neither of these works. Feel free to contact me with any questions. I would appreciate it if you could use my email or my office phone number during regular working hours 10-4 M- F. If your question can't wait until regular hours you can use the Google App number.

Course Materials

Textbook: *Surgical Technology: Principles and Practice* (7th edition) by Joanna Kotcher Fuller

Time: This is a compressed course. You will generally be completing one topic per day. Topics generally take 6-8 hours to complete.

Moodle: All learning materials, activities, and assignments will be available on Moodle.

Computer access: Since coursework is completed online, you will need access to a computer and a reliable internet connection.

Course Description

This course introduces the surgical environment and the hazards and dangers associated with working in the operating room. You will learn how to prevent the spread of infection, the principles of sterile technique, and the basics of surgical instruments, energy, and robotic surgery.

The goal of this course is to prepare competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. This course includes mandatory hands-on labs. Lebanon cohort Wednesdays 11:00- 2:50 @ the

Health Occupations Center in Lebanon rm 160, Southern Oregon cohort Tuesdays 3:30- 7:30 @ The Surgery Center of Southern Oregon. Labs will include skills assessments, which you must pass with a 75% or better.

Course Outcomes

1. Demonstrate electrical knowledge as it relates to patient safety.

2. Apply computer knowledge to safe patient care practices in the operating room.

3. Describe the surgical applications of robotics.

4. Identify the basic components of equipment used in robotic surgery.

5. Discuss preoperative patient care standards.

6. Identify surgical instruments.

7. Identify the sterilization process.

Program Outcomes

1. Demonstrate competence in the technological aspects of the surgical technologist profession.

2. Provide surgical patient care and comfort with empathy and cultural competence.

3. Demonstrate competence in surgical technologist duties, procedures and cases.

4. Demonstrate effective communication with patients, family members, and colleagues using verbal, written, and information technology tools/ devices.

Class Policies

Attendance

Attendance is mandatory for all in-person labs. If you have an unexpected emergency please contact the instructor for that lab.

Lebanon- Rachel Bruce office 541-918-8844 Google app 541-832-4408
brucer@linnbenton.edu

Southern Oregon- Charles Shearer shearec@linnbenton.edu

Behavior and Expectations

You are held accountable to the [Student Code of Conduct](#), which outlines expectations pertaining to academic honesty (including cheating and plagiarism), classroom conduct, and general conduct.

Lab Skills Evaluations (314 points available) (40% of total course grade)

(Bold #'s correspond to the course outcomes listed above)

- Surgical Attire **(5, 7)**, 24 points available

- Hand Scrub **(5, 7)**, 32 points available

- Drying Hands **(5, 7)**, 20 points available

- Gowning and Gloving **(5, 7)**, 40 points available

- Arrangement of OR equipment **(5, 7)**, 32 points available

- Sponge Identification and handling **(5, 7)**, 8 points available

- Final Skills Evaluation **(5, 7)**, 208 points available (includes 8 principles of aseptic technique and instruments finals)

Grading

- A = 90 – 100%

- B = 80 – 89%

- C = 75 – 79%

- FAIL = < 75%

NOTE: *You must pass all Labs with 75% or greater to proceed to practicum.*

Course Failure

If a student fails this course, they must follow the Surgical Tech Program Failing Grade Policy.

Cell Phone Use

Cell phones can be a great benefit while trying to remember instruments or equipment during this program; they will be allowed for those purposes. Please refrain from using them while someone is speaking or information is being presented in any other way. Taking calls or texting is prohibited unless it's an emergency. If you need to take a call please do so outside of the classroom. Cell phones aren't permitted in class during tests or lab evaluations. You can access the Media Device policy **here**.

College Policies

CLASSROOM REQUIREMENTS FOR ALL STUDENTS AND FACULTY DUE TO COVID-19
Linn-Benton Community College has established rules and policies to make the return to the classroom as safe as possible. It is required for everyone to follow all of the campus rules and policies. To participate in this class, LBCCrequires all students to comply with the following:

LBCC Email and Course Communications

You are responsible for all communications sent via Moodle and to your LBCC email account. You are required to use your LBCC provided email account for all email communications at the College. You may access your LBCC student email account through Student Email and your Moodle account through Moodle.

Disability and Access Statement

LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in the class, please talk to your instructor as soon as possible to discuss your needs. If you believe you may need accommodations but are not yet registered with CFAR, please visit the CFAR Website for steps on how to apply for services or call (541) 917-4789.

Statement of Inclusion

To promote academic excellence and learning environments that encourage multiple perspectives and the free exchange of ideas, all courses at LBCC will provide students the opportunity to interact with values, opinions, and/or beliefs different than their own in safe, positive, and nurturing learning environments. LBCC is committed to producing culturally literate individuals capable of interacting, collaborating, and problem-solving in an ever-changing community and diverse workforce.

[Equal Opportunity and Non-Discrimination Policy](#)

Academic Integrity

Academic integrity is the principle of engaging in scholarly activity with honesty and fairness and participating ethically in the pursuit of learning. Academic integrity is expected of all learners at LBCC. Behavior that violates academic integrity policies at LBCC includes cheating, plagiarism, unauthorized assistance or supporting others in engaging in academic dishonesty, knowingly furnishing false information, or changing or misusing college documents, among others. LBCC students are responsible for understanding and abiding by the College's academic integrity policy.

Title IX Reporting Policy

If you or another student are the victim of any form of sexual misconduct (including dating/domestic violence, stalking, sexual harassment), or any form of gender discrimination, LBCC can assist you. You can [report](#) a violation of our sexual misconduct policy directly to our Title IX Coordinator. You may also report the issue to a faculty member, who is required to notify the Coordinator, or you may make an appointment to speak confidentially to our Advising and Career Center by calling 541-917-4780.

Public Safety/Emergency Resources:

In an emergency, call 911. Also, call [LBCC Public Safety and Loss Prevention Office](#) at 541-926-6855 and 541-917-4440.

From any LBCC phone, you may alternatively dial extension 411 or 4440. LBCC has a public safety app available for free. We encourage people to download it to their cell phones. Public Safety also is the home for LBCC's Lost & Found. They provide escorts for safety when needed. Visit them to learn more.

Changes to the Syllabus

I reserve the right to change the contents of this syllabus due to unforeseen circumstances. You will be given notice of relevant changes in class, through a Moodle Announcement, or through an LBCC e-mail.

Reliable Study References:

AORN *(Association of periOperative Registered Nurses)*- https://www.aorn.org/
I highly recommend purchasing a student membership while in school. AORN produces evidence-based guidelines that are considered the "gold standard" in the operating room. This site has an abundance of reliable information including: Surgical Attire, Sterile Technique, Environmental Cleaning, and Transmissible Infections. This site will be useful throughout your career as you look for regulations to base your operating room practice on.

AST *(Association of Surgical Technologists)*- https://www.ast.org
I highly recommend purchasing a student membership. The membership will give you access to useful/ reliable information while in the program and also provide a considerable discount to take the CST exam. AST is one of two sites that keep track of your certification information throughout your career. You can buy CE modules through AST.

NBSTSA *(The National Board of Surgical Technology and Surgical Assisting)*-
https://www.nbstsa.org
NBSTSA is the other site that will keep track of your credentialing information throughout your career. This site will have useful information on preparing, applying, and taking the certification

exam. You can purchase practice exams. There is also information on recertification for future needs. NBSTSA also has an app for exam prep.

ARC/STSA *(Accreditation Review Committee on Education in Surgical Technology and Surgical Assisting)*- https://arcstsa.org/about-arc-stsa/

Here you will find scholarship information, educational resources, and guidelines for surgical technology programs. On this site, you will also find information on CAAHEP, The Commission on Accreditation of Allied Health Education Programs, which is a programmatic postsecondary accrediting agency. This is the agency from which LBCC has been accredited.

JOMI (*Journal of Medical Insight)-* https://jomi.com

- go to jomi.com/account (use Chrome or any modern browser)
- enter your info; use your school email address
- type **Linn-Benton** (or **Linn Benton**) in the space given for **Institution**
- select the most appropriate **User Type** from the menu
- click on the green **Create Account** button
- *you should not be prompted to enter credit card info*

APPS (FREE):

NBSTSA- An app for studying for the CST exam. They send you one quiz question a day.

General Surgery- A great app for studying general surgery instruments

Braun/ Aesculap- Instrument identification

Thumbroll: Medical Training- A variety of General and GYN cases, with a list of supplies

YouTube videos- Surgical Tech Tips, SurgTech Academy, Knowledge Unlocked: Key Surgical Podcast, Surgical Tech Geek

Instagram-

- _fortheloveofsurgery- information
- Surgical_technology_life- funny memes
- Surgicaltechnologistcst- information
- Zedicalinstruments- instruments
- Blackflamingo_x- pictures from the OR

Pinterest- Mayo stand set up

Course Schedule

Week	Assignments (course outcome)
Week 1: The Surgical Technologist	Week 1 Quiz Surgical Technologist Roles and Regulations
Week 2: Surgical Instruments	Week 2 Quiz (6) Instrument Flashcards and Plan (6)
Week 3: Law, Documentation and Professional Ethics	Week 3 Quiz (5) Negligence Analysis (5)
Week 4: The Healthcare Facility	Week 4 Quiz Operating Room Floor Plan
Week 5: Diagnostic and Assessment Procedures	Week 5 Quiz Baseline Values Cheat Sheet
Week 6: Environmental Hazards	Week 6 Quiz (5) Safety Education Material (5)
Week 7: Infection and Aseptic Technique	Week 7 Quiz (7) Principles of Sterile Technique Flashcards (7)
Week 8a: Physics, Energy, and Computers	Week 8a Quiz (2) Electrosurgery and Laser Scenarios (1)
Week 8b: Decontamination, Sterilization, and Disinfection	Week 8b Quiz (7) Decontaminating, Sterilizing, and Disinfecting (7)
Week 9: Minimally Invasive Endoscopic and Robotic-Assisted Surgery	Week 9 Quiz (3, 4) Exploring Robotics (3, 4)
Week 10: Final	Final Exam (1 – 7)